



SEQUENCE LISTING

<110> St. Jude Children's Research Hospital
St. Jude Children's Research Hospital
Curran, Thomas
Keshvara, Lakhu

<120> Cyclin Dependent Kinase 5 Phosphorylation of Disabled 1 Protein

<130> SJ-01-0032

<140> 10/078,927

<141> 2002-02-19

<160> 5

<170> PatentIn version 3.2

<210> 1

<211> 6

<212> PRT

<213> Mus musculus

<220>

<221> DOMAIN

<222> (1)..(6)

<223> smallest carboxy terminal Dab1 tryptic fragment containing a Cdk5 phosphorylation site

<220>

<221> SITE

<222> (3)..(3)

<223> Serine at residue #3 equates to Serine491 in mouse Dab1 sequence
Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 position and a Lysine (K) in the +3 position

<400> 1

Gln Ser Ser Pro Ser Lys
1 5

<210> 2

<211> 24

<212> PRT

<213> Mus musculus

<220>

<221> DOMAIN

<222> (1)..(24)

<223> Dab1 tryptic fragment containing a Cdk5 phosphorylation site

<220>

<221> SITE

<222> (21)..(21)



<213> Serine at Reisdue 21 equates to Serine515 in mouse Dab1 sequence
Cdk5 phosphorylation of Serine requires a Proline (P) in the +1
position and a Lysine (K) in the +3 position

<400> 2

Ser Ser Ala Ser His Val Ser Asp Pro Thr Ala Asp Asp Ile Phe Glu
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Glu Gly Phe Glu Ser Pro Ser Lys
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<210> 3
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<213> Mus musculus

<220>
<221> DOMAIN
<222> (1)..(14)
<223> Dab1 phosphopeptide domain used for antibody production

<220>
<221> MOD_RES
<222> (8)..(8)
<223> PHOSPHORYLATION, equates to Serine491 in mouse Dab1 sequence
Cdk5 phosphorylation of Serine requires a Proline (P) in the +1
position and a Lysine (K) in the +3 position

<400> 3

Thr Pro Ala Pro Arg Gln Ser Ser Pro Ser Lys Ser Ser Ala
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<210> 4
<211> 2231
<212> DNA
<213> Mus musculus

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<210> 5
 <211> 1665
 <212> DNA
 <213> Homo sapiens

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